

Fifty Executives Will Tour Laboratories of Research at Institute

TECHNOLOGY PLANS SPECIAL PROGRAM FOR BUSINESS MEN

President Compton to Welcome
Members of National
Council Tour

ARRIVE HERE BY BOAT

More than fifty leading bankers, economists, and industrial executives, members of the National Research Council tour of research laboratories, will arrive here tomorrow morning for a visit to the Institute and a tour of several laboratories in Greater Boston.

This tour is sponsored by the Council's division of engineering and industrial research, of which Prof. Dugald C. Jackson, head of the department of Electrical Engineering at Technology, is chairman. Members of the tour will arrive from New York by boat and will go directly to Technology. There they will be welcomed by Pres. Karl T. Compton and Professor Jackson and will later inspect many of the research projects being carried on at the Institute.

Elaborate Program

The Institute has arranged an elaborate program which will give the visitors an opportunity to gain an insight into the part Technology plays in cooperating in industrial research. After a visit to the nautical museum, members of the tour will be taken to the laboratory of Soil Mechanics, where research is being done on the physical properties of soil. In the textile laboratory they will see recent developments in equipment and technique for the application of optical apparatus to research in textiles.

One of the features of the visit to the Electrical Engineering Department will be an inspection of the Technology power network analyzer, which makes it possible to reproduce and actually operate in miniature great power systems representing hundreds of miles of network.

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Combined Musical Clubs Draw Large Crowd at Meeting

Large Gathering Prophesies
Successful Season
For Music

Over one hundred men turned out at the Combined Musical Clubs' mass meeting last Friday afternoon, and together with the 120-odd members, promise to give the Musical Clubs a very successful season. Eugene F. Lynch '32 acted as chairman and introduced Bill Weston, Glee Club coach, and the leaders of the different clubs. The schedule for the coming season was announced as follows: November 3, Franklin Square House; November 13, Simmons (tentative); December 11, Christmas Concert; March 18, Pops Concert; May 6, Spring Concert. All of these performances will be followed by dances. Every club will participate in the concerts, and the Glee Club, independent of the others, will go to the New England Intercollegiate, and if successful there, they will get a free trip to New York.

All freshmen interested in executive work should go to Room 303 in Walker Memorial and sign up for the business end of the Clubs. The officers of the organization are: Eugene F. Lynch '32, general manager; Harry I. Sumner '33, business manager; John Streng '33, stage manager; Vincent C. Frisby '33, publicity manager; Omar Somers '33, treasurer.

Admissions at the concerts and receipts from advertisements in the programs give the Society its financial support. It is one of the few self-supporting organizations at the Institute.

Freshmen in Dorms Enjoy The Real College Spirit

Freshmen not living in the dorms should shed a tear for their oppressed brethren of the campus. Below are some of the rules which have recently been posted on all dormitory bulletin boards for the benefit of the new men:

Freshmen shall treat all upperclassmen with due respect at all times.

No freshman shall wear prep school insignia at any time.

Freshmen shall say "hello" to all students they meet in the vicinity of the dormitories.

Freshmen shall keep a supply of nickels for telephone change at all times.

Freshmen are expected to run at least one local errand during the evening on the request of an upperclassman.

How far these rules are being enforced is impossible to state. It is enough to say that at about 2 o'clock of mornings of the past, pajama-clad freshmen are seen being whirled away in autos piloted by upperclassmen.

The Tech Smoker Has Large Turnout for Start of New Season

Editors Explain Organization
to Interested Group of
Freshmen

THE TECH'S Smoker last Friday brought out a freshman delegation of impressive size. Meeting at Walker Memorial, the candidates were addressed by the members of the Managing Board and by the editors and managers of the different departments.

C. M. Thayer '32, General Manager of THE TECH, gave the opening talk in which he outlined the possibilities offered to men coming out and explained the general organization of the paper. A. S. Ellis '32, Editor, S. R. Fleming '32, Managing Editor, and W. H. Barker '32, Business Manager, followed with short discussions of the departments under their charge. Finally the members of the Associate Board described the duties of candidates, the advantages to be gained from work on THE TECH, and the particular advantages of the different types of activity offered.

Following the general discussions, the meeting broke up into smaller groups to give the new men a chance to become acquainted with the editors and writers and to settle any questions which had arisen. Candidates for the news and sports departments far outnumbered those for any other, though every branch had a good representation.

ARMENIAN CLUB WILL HOLD FIRST MEETING

Former Club Graduate Member
Passes Away Suddenly

On Tuesday evening at 6.30 o'clock the M. I. T. Armenian Club will hold their first meeting in the form of a dinner meeting in the grill room of Walker Memorial. Treadurer A. S. Avakian has arranged an entertaining program for the occasion. All Armenian students in the Institute who have not yet become members are invited to attend this meeting.

Topics to be discussed at the meeting are of general nature. Arrangements for the annual fall dance will be made and plans for future dances and banquets will be discussed. President Malkasian expressed the opinion that this would be the most successful year of the Club's short existence.

Mr. Avakian is sorry to announce that the Technology Alumni has been bereft of an illustrious member, John Kurkjian of the Class of 1929. The entire club will act as honorary pallbearers for the late alumnus.

NET TOURNAMENT ATTRACTS RECORD LIST OF ENTRIES

Three Veterans of Last Season's
Team Are Top Seeded in
Fall Competition

134 MEN BEGIN PLAY

With a record turnout, the annual fall Technology tennis tournament gets under way today with the playing of the first round. On account of the large number of entries, seven rounds will be necessary to complete the tournament.

One hundred and thirty-four ambitious players of tennis coveted the silver cup enough to enter into the play. Complete drawings for the play have been made by Coach Summers and Manager Babcock.

Contributed by the Athletic Association, the usual silver cup serves to mark the winner of the play. But forecasts of this winner seem to be pretty much in doubt, for there seem to be several besides the seeded players, who might easily come to the finals.

Three Veterans Seeded

Last year's veterans, Tommy Regan '32, Herbert F. Ross '32, and Fred Feustel '33, start the seeded list. With the loss of the first two Tech players by graduation, Frank Dame and Jones, those lower in the listing have been pushed up. Ross is seeded number one player with Regan and Feustel following in the order named.

Seeded next in the list is Dick Hanley '34, a transfer last season who is eligible for the team this year. Although put out early in the tournament by Dame, Hanley was usually successful in beating him.

Following Hanley is Robert B. Semple '32, seeded No. 5 in the draw. Then come the leaders of last season's freshman players. Jack Eder, star of the frosh team, is given sixth place in the rankings. Finally are Norman Harris '33, and Lowell Lamers, another of the frosh squad.

Unseeded Players May Win

Besides these players are several who stand a good chance of being heard from in the tournament. Draveaux Bender '33 and Steve Spragens '32, both of whom have been inactive in participating in any of

(Continued on Page Four)

Voo Doo Razzes New Men and Fraternity Methods of Rushing

New Policy to Connect Humor
with Institute as Much
as Possible

Starting with a cover showing a cluster of freshman heads, each with the correct neckwear for first-year men at the Institute, against a background of deep green emblematic of the condition of the Class of '35, Voo Doo, which will appear Wednesday morning, takes the first-year class for a great ride and in the same connection razzes the general methods of rushing employed by fraternities at the Institute.

This year the staff of the comic monthly is making an effort to link as much of the humor as possible with the Institute, and in this issue it begins the policy of connecting its jokes with Technology students, instructors, and institutions.

Freshmen Chief Topic

As usual, the first issue of the school year is dedicated to the freshmen, and the antics and reactions of members of the incoming class are the subject of much of the material used. Many drawings showing what freshmen have done and how they have done these things are scattered through the magazine.

The tactics of fraternities in chasing and catching likely-looking new men on the Institute grounds comes in for ridicule at the hands of the staff artists and the professional funsters.

The cover for this issue was prepared by Harper V. Richards '33, who did not return to the Institute this fall. On the pages of the magazine, the drawings of Will H. Rapport '34 predominate.

Prominent Economist To Lecture Graduates In Business Seminar

SPEAKS TO COURSE XV
GRADUATE STUDENTS



CARLE M. BIGELOW

Professor Rogers Scheduled to Talk At Smoker Friday

Speeches on Various Activities
About Institute Will
Follow Dinner

Prof. Robert E. Rogers of the Institute English Department will be the speaker of the evening at the All-Technology Smoker that is given for the new men, freshmen and transfers, next Friday night. Tickets may be obtained at the Main Lobby starting next Wednesday.

Dinner will be served at 6.30 o'clock in the Main Hall of Walker Memorial, following which the doors will be thrown open to the upperclassmen. In the speeches the publications will be represented by James R. Kilian '26, one-time editor of THE TECH and now Alumni secretary. Dr. John A. Rockwell '96 will be the spokesman for the sports of the Institute, with the speaker for the Musical Clubs and Tech Show as yet unchosen.

Professor Rogers, the English professor and columnist for the Hearst Newspapers, will give the final speech of the evening. He is well known as an after-dinner speaker and those in his English lectures last year can remember his subtle wit and entertaining manner of presenting his points.

Entertainment will be furnished by the Coconut Grove entertainers and R.K.O. Keith's circuit. Following this, the guests will adjourn to the third floor gymnasium where the gym team, wrestling team and boxing team will give exhibitions.

YALE AND TECHNOLOGY WILL MEET IN SOCCER

Practice Game at Coop Field
Reveals Many Candidates

In preparation for the varsity game with Yale at New Haven next Saturday, Technology's varsity soccer team had a lively workout with the freshmen candidates last Saturday at the Coop Field. Judging from the remarks of Coach Welch, soccer fans at the Institute can look forward to an interesting as well as successful season. "I think we will have a very fine team this year; the boys are doing pretty well just now," he said.

The freshmen candidates for berths on the yearling team do not form as large a group as can be easily handled. Manager Duncan and Coach Welch are both anxious to secure more material in the form of freshmen. There are several veterans back on the team this year, including Schultze and Capt. "Nick" Velez.

BIGELOW, FAMOUS BUSINESS EXPERT TO ADDRESS CLASS

First of Outside Speakers to
Lead Manufacturing
Analysis Class

HEADS LARGE CONCERN

Carle M. Bigelow, a business-organizing and analyzing expert, will lecture to the graduate class in Manufacturing Analysis on Wednesday morning at the scheduled hour. The class is conducted by Prof. Erwin H. Schell, in charge of the department of Business and Engineering Administration, and it is to be the policy of the course to have outside speakers lecture on their specialties in business management.

The address will take the form of a seminar, with questions and discussion following. The subject of Mr. Bigelow's talk has not as yet been announced but it will be pertinent to the subject of Manufacturing Analysis.

Educated at R. I. State

After receiving a mechanical engineering education at Rhode Island State College, Mr. Bigelow entered the employ of the Sayles Finishing Plants at Saylesville, Rhode Island, where the late Henry L. Gnat was making one of the classical installations of scientific management.

At the end of a four-year period, he was assistant chief engineer in charge of management installations, and also superintendent of one of the plants, over some nine hundred people.

Left To Do Consulting Work

Leaving this concern he entered the consulting field, becoming chief engineer for Industrial and Appraisal Engineering. In 1924 he organized the company of Bigelow, Kent, Willard & Co., Inc., with offices in the Park Square Building, and

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Tech-in-Turkey Representative Lonely on Trip

Louis S. Morse '31 Arrives At
Istanbul After Tour
Through Italy

Louis S. Morse '31, third Tech-in-Turkey representative, has arrived at Robert College after an interesting but somewhat lonesome trip. He visited Naples and Rome on his trip and sailed from Venice on September 10 for his destination at Istanbul, Turkey.

Tech-in-Turkey is a project initiated several years ago by the T.C.A. by which a graduate of the Institute is sent each year to teach at the Robert College in Istanbul. Last year's representative was Fred N. Dickerman '30, and Judson T. Beihle '27 taught there in 1929.

The letter which Mr. Wallace Ross, general secretary of the T.C.A. received from Morse, was as follows:

September 17, 1931.

"Dear Wallie: I had quite a nice trip out here. Met some very nice young people on the 'Saturnia,' but after I got to Naples and travelled through Italy alone, I became quite lonesome. Spent a few days in Rome and was very much interested in the wonderful Cathedrals, the Vatican, and the ruins of ancient Rome.

"I sailed from Venice on the 'Stella d'Italia,' on September 10, and found quite a few people from Robert College and the American College for Women on board. It was a great help to have made

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A Record
of Continuous
News Service for
Over Fifty Years



Official News
Organ of the
Undergraduates
of M. I. T.

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TREASON

THE Interfraternity Conference, an organization comprising the majority of fraternities at the Institute, has never been powerful enough to enforce to any great degree the manifestos which it as a body has passed upon. Membership in this group is purely voluntary, and since its formation, the Conference has served only as a common ground upon which the members may meet to discuss both particularities and generalities. Without school supervision, a condition which no one looks forward to, it is doubtful whether the group may stand for anything more tangible. Obviously, the obeying of the Conference's decisions depends wholly upon each fraternity's sense of honor as a party to a gentleman's agreement.

It is not, therefore, the fault of the Conference as a whole that some of its rules are violated. Its only tool for enforcement is respect. The most recent violation was the rushing undertaken by a few of the houses at the freshman Camp, seemingly without any compunction whatsoever. The facts of this breach of honor are now known to the greater number of students. Certain houses trespassed upon grounds where fraternity prejudice should not be found, openly launching a pre-pledging campaign.

Remedies for such a violation are difficult of conception. It might be possible to demand that no student who is not a freshman or an authorized counselor be allowed to enter the Camp. It might also be possible to draw up a system of fines for such action. However, in light of the reputation of Technology fraternities in general, would not such a system place the whole group in the same class with the small boy who dares not venture too deeply into the cookie jar for fear of being locked up in a closet?

In the issue of THE TECH published just before the first-year men were taken to Camp, a notice was published to the effect that any rushing at the Camp would be considered a breach of honor by the Interfraternity Conference. Were there any sense of values among the fraternities, this passive notice should be all the action necessary. The freshman Camp is one place where the fraternities should be as inconspicuous as possible, mainly because the Camp functions for the welfare of all freshmen, not for the few who might be considered pledging material.

Clearly this crime, for such it is, committed by two or three houses all of which are members of the Interfraternity Conference, proves them entirely lacking in proper respect for the purposes of the Conference, and approaching the station of cheats and cowards. The guilty ones may necessarily go unpunished, but the mark on their reputations is one which should never be erased.

WHY GO TO COLLEGE?

IN a report issued this summer by the Carnegie Foundation for the Advancement of Teaching, the claim is made that the college Senior is little wiser than the freshman, and that after four years of college the average graduate has forgotten so much of what he has learned that his general level of knowledge is only slightly higher than when he was a member of the first-year class.

By assuming that memory makes understanding, and that details are knowledge, the Carnegie report mistakes the fundamental purposes of a college education for an ability to memorize handbooks. Higher education is not so much to teach a young man a mass of data as it is to discipline his mind. The aim is method rather than detail. The report may be correct in stating that Seniors remember little more than the freshmen, as tests on a large number of Pennsylvania students seem to show, but is it correct to reason that they are little wiser? Is a comparatively immature freshman as capable of coming to a logical decision on a proposed course of action or in solving a problem with the same dispatch and correctness as a Senior after four years of mental training?

A view which assumes the Senior little wiser than the freshman admits that our entire college system is failing in its aim and duty, and that the huge amounts of money expended annually, and the many years necessary for a higher education is time and money wasted. Even in a strictly professional school like Technology whose main purpose is to turn out specialists in the engineering sciences, the aim is to produce men not necessarily capable of solving all problems they come in contact with, but with the correct attitude in attacking such problems.

The value of a college education has been greatly misinterpreted in the report of the Carnegie Foundation. A study of the men who have had successful careers should show that these men are not gifted to memorizing every table of data they have read, but that they can put to use such data to the greatest possible good. In other words, the analytic mind is more efficient than a parrot-type memory. Would not this be a more satisfactory measure of the advantages of a college education?

Arthur D. Little '85 and Sec. Wilbur are Writers for Review

Dr. Little Discusses the Price of Leadership in October Technology Review

How prejudice and fundamentalism have thwarted the attempts of scientific inventors is illustrated with numerous specific instances in this month's Technology Review. Dr. Arthur D. Little '85, describes the cost of advance in "New Lamps for Old."

The price of leadership, writes Dr. Little, has been too often destitution and derision, physical punishment and death. He cites the case of the astronomer, Giordano Bruno, who, daring to question the authority of the Bible in solving scientific problems, spent eight years in Italian dungeons, to die at last at the stake. For further proof, the article tells of Galileo imprisoned, Lavoisier calumniated, and Priestly driven from his home.

Another sort of martyrdom, says Dr. Little, consists of prolonged illness from the strain of intense concentration, and death resulting from voluntary exposure to danger for the sake of scientific research. All are familiar with the extreme poverty of Madame Curie, and the death of Scott and Franklin.

We cannot but agree with the editors of the Technology Review when they assert that no man is better suited to write on this theme than Dr. Little. An outstanding figure in the world of science today, he has been president of the M. I. T. Alumni Association, and is a Life Member of the Corporation. He has been president of the American Chemical Society, the Society of Chemical Industry of Great Britain, and the American Institute of Chemical Engineers.

In the October issue is printed the paper delivered by the Hon. Ray Lyman Wilbur to the members of the 1931 graduating class at the Institute. In "Slide Rule Civilization," Mr. Wilbur states his belief that civilization is founded on the use of facts, compiled from our education and enlarged from our experience, and that the useful man in any community is the man who can arrange these facts for practical use. The training of experts to assimilate and organize facts is our greatest problem, says Mr. Wilbur, if we are to profit most from our material world.

In addition to its regular features, The Tabular View, The Trend of Affairs, and The Institute Gazette, this issue contains "Endocrine Therapy," by Dr. Allan W. Rowe '01, and "Reaction Propulsion," by J. Rhyne Killian, Jr., Editor of the Review. A most artistic cover and a frontispiece pencil-and-eyeball drawing, besides numerous photographs, make this copy particularly worthy of remark.

PHOS TO ATTEND VOO DOO SMOKER

All Candidates Urged to Come Out and Meet the Old Feline Tuesday

Phosphorus will be on hand tomorrow evening to greet all men interested in becoming connected with Voo Doo, the Institute purveyor of humor, when the mass meeting and smoker of the comic will be held at 8 o'clock in the Faculty Dining Room of Walker Memorial.

In addition to the advantages of this publication as outlined by Phosphorus, the jet guardian angel of Institute humor, in Friday's issue of THE TECH, Voo Doo offers editorial, business and artistic training to men working in the various departments of the magazine.

At this time positions are open in all departments for freshmen and transfer students. Promotions are based on the merit of the candidates as shown in the competitions that are run in each department. A regular scheme of promotion is followed, with the successful candidates advancing one position each year.

Heads of the various departments of the comic will speak Tuesday evening, describing the work of their parts of the Staff and telling of the advantages of it.

Free cigarettes and cigars will be distributed at the smoker, and sandwiches will be served. Coffee and milk will also be served. It has been said that Phosphorus himself will be there to see that every candidate for the publication gets enough to eat and cigarettes sufficient to keep him busy during the evening.

The name of the November issue will be announced at the smoker, and all Staff members and candidates will have a full month in which to gather material for it. The first issue of the year will appear on the stands Wednesday morning.

SERIES OF SMOKERS CONTINUED BY T.E.N.

Meeting of Men Interested in Technical Magazine to Be Held Today

Continuing the almost unbroken series of mass meetings and smokers that have been held during the week elapsing since registration, Tech Engineering News will hold its annual meeting for freshmen and transfers interested in becoming candidates for positions on the Staff this afternoon at 5 o'clock in the West Lounge of Walker Memorial.

Transfers who have had previous training on publication staffs as well as men beginning their undergraduate careers are especially wanted by the undergraduate technical journal which appears monthly.

Offers Two Departments

Two departments are open to prospective candidates for the publication, the editorial department and the business department. The editorial department does all the work connected with the literary end of the magazine. It solicits material for publication, edits it, provides illustrations, handles the composition and make-up, and reads the printer's proofs.

Under this department, student articles of a technical nature are written and prepared for publication. The News Notes section is written by members of this department. All the editorials are written by the editorial department.

Offers Business Training

The business department of T. E. N. offers valuable business training to undergraduates. All the advertising, circulation, and publicity business is handled by this department. National and local advertising is solicited by business department men, who later bill the firms for their space and collect for it. Circulation involves the preparation of mailing lists, the addressing of envelopes, and the actual mailing. The publicity branch arranges for advance stories on each issue and designs, executes, and displays posters advertising the issue.

Department Heads to Speak

This afternoon at the mass meeting the heads of the departments will speak and explain in detail the work of their parts of the Staff. After Clarence M. Chase, Jr., '32, general manager of the journal, has spoken describing the organization of the magazine, the work of the editorial department will be explained by Albert Dietz '32, editor of the publication. Alfred B. Berghe '32, business manager, will speak of the work of the business department, and the subdivisions of this department will be explained by their leaders.

Mr. Fassett to Speak

In connection with the journalism option in freshman English that is being offered to staff members of THE TECH and T. E. N., Mr. Frederick G. Fassett,

As We See the MOVIES

"Der Hampelmann"

Totally different from anything produced in America in the category of comedies, is the new German film "Der Hampelmann," or "The Jumping Jack," now playing at the Fine Arts Theatre. There have been so few German pictures shown in this country that have had any loose ends, that one would think Hollywood and Brooklyn would take the hint and try something new.

To begin with, Lien Deyer, the comedienne, and Max Hansen, playing opposite her, were superb. The other players were above the average, and the musical score was more reasonable than some of our home products have been recently. There was a certain vivacity written closely into the story, which by the way is an old one, and familiar to many. There is a sense of completeness which was refreshing.

Technically, the picture was as perfect as any, in the direction, synchronization, and photography, but besides the excellences of this sort, there was a playful, graceful spirit throughout the entire production. Strangely enough, this comedienne, Lien Deyer, is a beauty as striking as any German woman presented on our screens, and after making funny faces to carry on the story, her face relaxes into its natural beauty. This gives a sense of being treated to superlatives all out of proportion to the value of the picture, but it is supremely pleasant.

H. R. P.

Jr., instructor in the English Department, who will teach the course, will explain the work for this year.

Last year this option was allowed only to freshmen members of the staff of THE TECH, but this year the work of the course is being altered to be of value to staff members of T. E. N. as well.

Has Good Reputation

During the twelve years of its life, Tech Engineering News has gained the reputation of being the foremost undergraduate technical journal published in the United States. Articles are contributed by some of the foremost engineers in the country, and student articles appear in almost every issue.

Special issues are brought out several times during the year when the occasion is such as to justify it. The publication is run entirely by the students and is financed solely by them. It is, in fact, a small business and offers valuable training to those connected with it in either an editorial or business capacity.

Pennsylvania State highway police have disqualified Elmer McCQuait, a blind automobile driver. McCQuait operated the clutch, gear shift, and accelerator of his car while his ten-year-old son sat on his lap, steered and directed the operations. Although they had no accidents, police decided the combination was too dangerous.

Lydia Lee Luncheon

THE EATING PLACE DORM MEN
HAVE ALWAYS HOPED TO FIND
Opposite Aeronautical Laboratory
OPEN from 7.30 A.M. to 3.00 P.M.

fine arts STATE THEATRE BUILDING

NOW PLAYING

"Der Hampelmann"
THE GERMAN FILM

FULL OF LAUGHS

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PIANOS — Small, new, high-grade. Why pay \$2 to \$4 more per month for old pianos refinished?

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\$5 PER MONTH FOR NINE MONTHS AND IT IS YOURS

C. C. MOIR

828 Massachusetts Avenue
Y. M. C. A. Building
Cambridge, Mass.

Lacrosse Meeting For New Men to Be Held Oct. 7

Team Prepares for Big Schedule With Seven Games Arranged

All members of last year's lacrosse squad and all students interested in this sport are urged by Robert G. Holt '33, manager, to attend the mass meeting which will be held Wednesday afternoon, October 7, at 5 o'clock in the Hangar Gym. Since there is a freshman team, which competes against other freshman teams and preparatory school teams, all first-year men desiring to engage in this sport are also requested to be present at that time.

At this meeting the question of fall practice will be discussed. If enough men want regular practices held during the fall term, arrangements can be made. Otherwise no regular practice sessions will be held until next spring, before the regular schedule of intercollegiate begins. Already arrangements for seven games have been completed, with trips to Hanover and Annapolis during the season.

Lacrosse is a comparatively new sport at the Institute, having been recognized by the M.I.T.A.A. as a major sport for only three seasons. Last year there were more than thirty men on the squad which played eight games with some of the best teams in the East. Again Manager Holt urges all men to attend this meeting and help make the coming season better than any previous one had at Technology. Also all freshmen who are desirous of trying out for the position of manager should attend this meeting.

Nominations Held for Harvard Coop

H. S. Ford and Jasper Whiting Nominated Directors of Society

At the annual meeting of the Harvard Cooperative Society, nominations for officers and directors for the coming year were made. In accordance with the by-laws of the Society, several men are nominated from the Technology student body.

Those elected for stockholders for five years, with positions expiring at the annual meeting in 1936, are W. B. Donham and J. MacA. Maguire.

Henry S. Thompson was nominated as president of the Society. Other officers are A. W. Scott, vice-president; W. Humphreys, secretary; J. L. Taylor, treasurer.

From Technology at large, Horace S. Ford and Jasper Whiting, and from Harvard, D. Leighton and A. C. Redfield were nominated as directors. Carroll L. Wilson was nominated as a representative of the Institute student body. Other directors come from Harvard. They are C. P. Biddle, K. B. Murdock, R. N. Clark, B. K. Bachrach, and Theodore Chase.

PHYSICAL SOCIETY WILL MEET OCT. 6

On Tuesday, October 6, at 5 o'clock, the Physical Society will hold its first meeting of the year in Room 4-231. All members of Courses VIII, XIV, and IX-C are extended a most cordial invitation to attend. The Society is particularly anxious to have freshmen, transfer students, and graduate students who are enrolled in these courses join in the discussions.

The meeting is to begin with the election of officers for the coming year. Following this the meeting will be addressed by Professor Sears of the Physics department. The talk is to be of a non-technical nature.

CHESS CANDIDATES WILL MEET TODAY

A meeting of the Chess Club will be held today at 5 o'clock in the West Lounge of Walker Memorial for all new men interested in the activity. Those desiring to attend but who find it impossible to be present should leave their names with Professor Franklin, the club's Faculty advisor, in Room 2-171.

At the meeting Professor Franklin will discuss the games scheduled for the year, and a number of members of last year's team will speak. The team, being a member of the Metropolitan League, has a large schedule to fulfill. This schedule will be published at a later date.

Arrange Mass Meeting to Explain Field Day Rules

All freshmen are requested to attend the Mass Meeting held in Room 10-260, Wednesday, October 7 at 5 o'clock. The purpose of the meeting is to enlighten the freshman Class as to the general Field Day Rules and to urge them to come out for the various teams. The speakers are as follows: Henry Worcester '32, Coach of football; Pierre S. DuPont III, '33, tug-o-war; Coach Oscar Hedlund, Coach of track; Allan L. Dunning '31, Coach of crew; Richard L. Fossett '33, Manager of Field Day.

SPORTS DESK

Looking back over the changes wrought by a week in the outward appearances of the freshman cross-country team; the different men begin to stack up against each other, and show more than before what sort of material they really are made of.

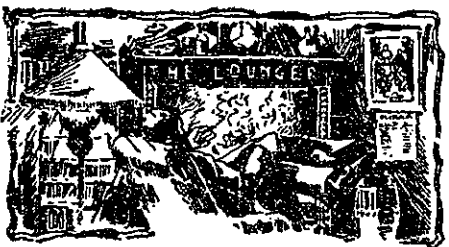
A large number of the men ran two miles, and although there were many who were new at so long a run, several turned in good times. Among the men who are possible candidates for the cross-country team, the outstanding ones to date are as follows, in the order which they practiced last Friday and Saturday: Chalmers, Alden, Nelson, Horton, Holby, MacAdams, Stern, and Rees. Each of these men has shown the qualities of a runner, and in each there is all the promise necessary for a strong team.

There has not been any official notice of the opening of the swimming season, but from all reports, there was a good deal of water around Nichols Hall last Friday night. The game played was a combination of the decathlon, with water polo and wrestling thrown in.

Pat Amenta, a new candidate for the hoop squad, in fooling around in the gym Saturday afternoon, sank nine shots consecutively from spots all around the floor as far out as the foul lines, and then three more from the center ring. Amenta was last year a transfer from Wesleyan, and will, under the rules of the Institute, be able to compete this year, if he makes a place on the team.

Freshmen had better get busy on the football proposition, if they want to get the jump on the Sophs, when Field Day dawns. Men from last year's freshman team have been out on the field all week long, warming up their legs and arms—it's a good idea to do it gradually, and there's no better way than to ramble around and chase the ball for a few days first.

Ask Oscar Hedlund about lessons in golf. He's been giving them gratis to men out on Tech Field, and, considering the caliber golfer there is in Oscar, it might be to the advantage of a lot of people to get out there and get anything that's free. Several people noticed one fine pitch shot with a No. 6 iron, which he made. It landed within six feet of the target, after a flight of sixty or seventy yards.



Well, well, well, The Lounger is just a big brutal toe treader, in fact, in the opinion of the fraternities he is a pedestrian exterminator. His recent apt, witty, concise, erudite and apropos comments at the expense of Ye Follies of Fraternal Rushing (edition 1931), drew bright gooey gore. One hulking brother with a frosh in tow buttonholed him in the main lobby to inquire, with fire in his eye, murder in his mind and hell in his heart, what the this and that (neither this nor that being very nice), the Lounger meant by all his dirty cracks at things fraternal.

Oho, and aha, said the Lounger, sniffing smoke and searching for the fire, smelling of rats and the Ethiopian fuel pile hider, "What did you do? Nothing? Well, what did your house do? Nothing? Then why all the tears of rage?" The Greek ambled down the corridor mouthing, "Better be discreet about the things you write, just remember you better be discreet," and muttering dire and dark threats, dragging the frosh with him. The Lounger, keeper of Technological traditions and sole guardian of its virtues, strolled off to write this.

SWIMMING PRACTICE TO START ON NOV. 2

Varsity Faces Heavy Schedule With Ten Contests

A mass meeting for varsity and freshman swimming candidates will be held Thursday, October 29, the day before Field Day, and practice will start the following Monday. Manager Edward L. Wemple '34 has arranged an interesting schedule of ten meets, including the N.E.I.S.A. championships, which will be held at Williams. Of the nine dual meets, five will be swum at Boston, including three at the University Club, Technology's home pool.

Since only two of last year's lettermen were lost through graduation, Coach Dean hopes for a successful season under the leadership of Capt. James E. Turner '33. All prospective candidates should watch for notices of the mass meeting.

Speaking before the tenth annual meeting of the International Student Service at Mount Holyoke College here, Dr. Walter M. Kotschnig of Austria said he believed the unemployment situation could be blamed on the colleges for their failure to cope with vital economic problems.

Plans for the creating of a "university city" have been developed by the regents of the University of Wisconsin here, as a means of relieving the meagre housing facilities for the several thousand students of the university.

A Sydney specialist has predicted that because of the amount of time Australians spend in their surfs, the nation is due to become a darker race.

SWIMMING SCHEDULE FOR 1932

Varsity		Freshmen	
Jan. 9	Amherst at home	Jan. 13	Harvard Freshmen away
Jan. 13	Harvard at Harvard	Jan. 16	Brown Freshmen away
Jan. 16	Brown away	Feb. 20	Dean Academy away
Feb. 12	Williams away	Feb. 27	Bowdoin Freshmen at home
Feb. 13	R. P. I. away	Mar. 3	Brookline High away
Feb. 20	Dartmouth at home	Mar. 5	Gordon High away
Feb. 22	Boston University away	Mar. 12	Dartmouth Fresh. away
Feb. 27	Bowdoin at home	Mar. 26	Boston Boys' Club away
Mar. 5	Wesleyan away		
Mar. 11-2	N.E.I.S.A. at Williams		

The atlas of the Great Elector of Brandenburg, Germany, said to be the largest book in the world, has been restored to its former beauty. The book is 66 inches high, 39 inches wide and weighs 275 pounds.

Dr. H. L. Donovan, president of the Eastern Kentucky State Teachers College has charged that selling of teaching appointments and giving them to relatives exists on a large scale in the State.

While attending Chicago, Kansas, and Columbia universities for the past three years, W. R. Duckett of Franklin, Neb., has been guided to and from classes by his collie, "Scottie."

Dr. Walter James, geologist, is of the opinion that women today are no different than they were 10,000 years ago. Of 600 ancient skeletons recently dug up in Alabama, all the women had their mouths open; those of the men were shut.

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OFFICIAL BULLETINS

OF GENERAL INTEREST

Physics and Physical Chemistry **Harvard University**
Monday, October 5, 4.45 p.m., Craft Laboratory
 Physical Colloquium. Dr. H. A. Stuart will speak on "Heats of Combustion in Organic Compounds."

Physics and Physical Chemistry **Massachusetts Institute of Technology**
Tuesday, October 6, 4.30 p.m., Room 4-231
 Harvard-Technology Seminar. Dr. H. A. Stuart will speak on "Anisotropic Polarizability of Molecules and the Kerr Effect."

Thursday, October 8, 3.00 p.m., Room 8-105
 Joint Conference in Inorganic, Organic, and Physical Chemistry. Mr. H. H. Young will speak on "The Effect of Structure on the Reactivity of Acyl Chlorides."

Thursday, October 8, 4.00 p.m., Room 4-231
 Physics Colloquium.
 1. Researches in Progress in the Spectroscopic Laboratory. Prof. G. R. Harrison
 2. Theory of Collisions. Prof. P. M. Morse.

CALENDAR

Monday, October 5
 4.00 — Wrestling mass meeting in Hangar Gym.
 5.00 — T.E.N. Smoker in West Lounge of Walker Memorial.
 5.00 — Chess meeting in the East Lounge.
 6.00 — Massachusetts Safety Council dinner in North Hall.
 8.00 — Chinese Students Club meeting in Faculty Dining Room.

Tuesday, October 6
 5.00 — Banjo Club tryouts in Room 10-250.
 5.00 — Glee Club tryouts in Room 10-250.
 6.30 — Armenian Club dinner meeting in the Grill Room.
 8.00 — Voo Doo smoker in Faculty Dining Room.

Wednesday, October 7
 5.00 — Freshman mass meeting in Room 10-250.

Technology Plans Extensive Program For Visiting Group

President Compton to Welcome Members of National Council Tour

(Continued from Page One)

Show Developments

The latest developments in food technology, particularly investigations in quick freezing and the action of low temperatures on foods, will be shown in the department of Biology and Public Health. Other exhibits will include the study of the use of steam at extremely high pressures; spectroscopy; steel tests; petroleum research; industrial X-ray investigations; research in the measurement of lights of various colors; stop-motion photography of moving machinery; aeronautical and automobile engine research; wind tunnel experiments in aeronautical engineering; and river hydraulic experiments with models of dams and waterways.

Following the tour of inspection, the visitors will be guests of the Institute at a luncheon at Walker Memorial. In the afternoon they will visit the chemical research and physical testing laboratories of the Dewey & Almy Chemical Company in Cambridge, where they will be shown laboratories in which have been developed products for the automotive, canning, and shoe industries. Their program includes a visit to the laboratories of the A. D. Little Company, and to several large industrial plants.

Members of the tour will leave for Rochester tomorrow night. President Compton of Technology will accompany them on their inspection of laboratories which takes them as far west as Detroit, and Professor Jackson will join them later.

Among the executives who will arrive here tomorrow are: Dr. A. H. Richardson, Adams Express Company; L. C. Reynolds, American Writing Paper Company; G. B. Fenton, Battelle Memorial Institute; J. S. Ellithorp, Jr., Beech-Nut Packing Company; R. S. A. Dougherty, Bethlehem Steel Corporation; E. W. Stone, Bigelow-Sanford Carpet Company; R. L. Agassiz, Calumet & Hecla Consolidated Copper Company; Robert B. Colgate, Colgate Palmolive Peet Company; A. B. Rich, Dennison Manufacturing Company; W. R. Maull, Dill & Collins Company; Joseph H. Jones, C. K. Eagle & Company; P. D. Howse, Electrical Products Corporation; Everett Dominick, Evans Stillman & Company; R. R. Gross, Firestone Tire & Rubber Company; Robert H. Lawson, Hemphill Company; E. O. Erickson, Hyde Technical Laboratories; F. M. Carroll, International Business Machines Corporation; E. E. Kleinschmidt and E. F. Kleinschmidt, International Inventions Corporation; H. A. Peterson, Intertype Corporation; H. W. Graham, Jones & Laughlin Steel Corporation; C. J. Ramsburg, The Koppers Company; A. M. Lockett & Company; Raymond C. Mayer, public relations counsel; F. J. Curtis, Merrimac Chemical Company; W. S. Wilson,

FOOTBALL

Candidates for freshmen and Sophomore football teams are urged to report to Tech Field any afternoon this week at 5 o'clock. Uniforms are not required. Practices are in charge of Louis J. Vassalotti '32 and Henry E. Worcester, Jr. '32.

FIRST WRESTLING PRACTICE

The first wrestling practice will be held today in the Hangar Gym. All varsity men are expected to take part. Freshmen desiring to substitute wrestling for Physical Training are asked to interview the coach at this time.

COMPETITION FOR SOPHOMORE ASSISTANT WRESTLING MANAGERS

All Sophomores who wish to enter competition for assistant wrestling manager will please report to the manager at the first wrestling practice between 4 and 6 o'clock today.

SCABBARD AND BLADE

Members of the Scabbard and Blade Society will meet on Tuesday afternoon, at 5 o'clock, in Room 3-309.

BANJO CLUB

The Banjo Club will hold tryouts Tuesday, at 5 o'clock, in the East Hall, Walker Memorial. All banjoists invited.

GLEE CLUB

The Glee Club will hold tryouts Tuesday, at 5 o'clock, in Room 10-250.

Prestige vs. Eggs

The trustees of Beloit College, Beloit, Wisconsin, have announced that meat, potatoes, eggs, fruits, chickens and vegetables will be accepted as tuition.

One of the entrance requirements at Princeton in 1748 was an oral examination in the classics given by the president of the university.

Merrimac Chemical Company; P. W. A. Fitzsimmons, Michigan Mutual Liability Company; G. DuBois, Monsanto Chemical Works; Maurice Holland, National Research Council; G. E. Schneider, New Orleans Association of Commerce; M. E. Benesh, Peoples Gas Light & Coke Company, Chicago; E. F. McCullough, Philadelphia & Reading Coal & Iron Company; N. H. Budd, Research Laboratory Record; A. N. Bradford, Russell, Birdsall & Ward Bolt and Nut Company; A. Blumenthal and A. G. Holland, Shelton Looms; D. F. O'Brien, A. P. Smith Manufacturing Company; C. C. Sheppard and H. C. Berckes, Southern Pine Association; K. H. Hubbard, Taylor Instrument Companies; K. W. Miller, Utilities Research Commission, Chicago; Harold Ladd Smith, Vermont Marble Company; Irving Warner, Warner Brothers; L. A. Cornelius, Wolverine Brass Works; I. J. Novak, Raybestos-Manhattan, Inc.; W. Spragen, National Research Council.

Among the executives who will join the tour in Boston and Cambridge are Raymond Stevens '17, A. D. Little, Inc., and R. M. Hudson, New England Council.

SECURE BIGELOW TO SPEAK AT SEMINAR

First of Outside Speakers to Address Analysis Class

(Continued from Page One)

took over the entire personnel work for his former employers.

He now renders consulting service along the lines of industrial engineering, merchandising costing and general accounting, auditing, chemical and physical research and financing. His company has served such well-known concerns as the Frigidaire Corporation, the Victor Talking Machine Company, Hoosier Manufacturing Company, and Newport News Shipbuilding & Drydock Company.

Writes on Economic Subjects

Mr. Bigelow is the author of two books on management as well as of numerous magazine articles. A wage-payment plan covering incentives for both apprentices and experienced operatives in terms of production and material utilization bears his name. During the war, he established emergency control methods in plants manufacturing aeroplane and wireless apparatus for the Government, and was one of the group of nine industrial engineers who prepared a brief for the President's industrial conference.

Wednesday morning will not be the first time that Mr. Bigelow has spoken here at the Institute, for during the past few years he has addressed various classes of the Business and Engineering Administration Department. His counsel on organization has recently been sought by one of the largest groups of European manufacturers.

Awarded Honorary Degree

In 1921 the Rhode Island State College awarded to Mr. Bigelow an honorary M.E. degree. He is a member of the American Society of Mechanical Engineers; the Taylor Society; the Society of Industrial Engineers; a fellow of the Institute of Management and a member of the Council of the American Management Association.

He is well worth listening to, and as the "Advertising News" says, "He has studied manufacturing and organization problems from A to Z—and no matter if you are a hundred-thousand-dollar president or vice-president, you can learn a lot from Bigelow."

Some 350 students, more than the total of men who participate in the ten varsity sports of the University of Iowa, are expected to report for work in the University theater this year.

RECORD NUMBER ENTER TENNIS TOURNAMENT

(Continued from Page One)

the matches during the past season, have both better than an outside chance of upsetting some of the seeded men.

Several others of the frosh squad have gone into the play. Although they are unseeded, they may give the ranking men quite a bit of difficulty. Then there is Flivver Ford '33, of the old varsity team, who may show a few of them just how tennis is played.

In other words, there is just no telling how this is likely to turn out. Ross may be able to hold the position of number one man but there is just as much chance of Hanley or one of the other players who hasn't been seen in action, take the cup. Still there is the possibility of some freshman upsetting it all and emerging winner in the finals.

Rapid Play Desired

This year's plans are all for running the tournament out in as short a time as is possible, and yet extending it long enough so that all the matches may be played. Last year in spite of all the time that was given to the first few rounds, the play still dragged through quite a while, with some matches finally going by default.

In a set of rules made by the coach and manager, the closing date for the first round has been set at Friday. No extensions are to be made on account of bad weather, since there is plenty of time allowed to play off all the matches.

Second round play has been scheduled to end next Monday afternoon with the third round completed on October 15. Then on account of the fewer number of matches to be played in the closing rounds, only one additional week is allowed to complete the last four rounds.

Rules of Tournament

This schedule completes the tournament by Saturday, October 24. By the rapid running of the matches, interest is kept up and there should be no lagging times as in former play here.

Another important rule has been made. It conforms with last year's decision. Thus the lower man in the bracket is required to call his opponent and make arrangements for the play. Failure to do this will result in the default of the match to his opponent.

Students taking advantage of spring weather to cut classes and study unassigned courses raised a parking problem along the river bank at the University of Minnesota.

T. C. A. GETS LETTER FROM REPRESENTATIVE

(Continued from Page One)

their acquaintance while on board, because it made my arrival at Istanbul and Robert College much easier and less strange.

"I am quite fascinated by the surroundings and the people of Robert College. I am sure I shall enjoy my stay here. Have been spending the last few days getting acquainted with everything and especially the work in Physics which I have before me. I find that Fred Dickerman did remarkable work here last year. He was not only liked and admired by the whole college community, but he reorganized and systemized the course in college Physics especially the laboratory work, to a very efficient and comprehensive subject.

"Classes start on Saturday, and then everything will be in full swing. I suppose by the time you get this letter freshman Camp will be over and school started. I wish the Association the best of luck in its activities this year, and hope that everything will go well on both ends of this Tech-in-Turkey project.

Sincerely yours,

LOUIS S. MORSE, JR.

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